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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

ATTY.'S DOCKET: YAMADA=45

In re Application of:

Yuka YAMADA et al

Appln. No.: 09/988,396

Filed: November 19, 2001

For: COLD CATHODE FORMING  
PROCESS

) Art Unit: 2879

) Examiner: J. WILLIAMS

) Washington, D.C.

) November 24, 2003

) Confirmation No.: 8257

) **AFTER ALLOWANCE,**  
) **PLEASE EXPEDITE**

**INFORMATION DISCLOSURE STATEMENT [IDS]**

**MAIL STOP ISSUE FEE**

Honorable Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[ ] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.

☐ B. before the mailing date of a first office action on the merits.

☐ C. after (A) and (B) above, but before final rejection or allowance, and Applicants have made the necessary certification (box "i" below) or paid the necessary fee (box "ii" below).

*(Check one of the boxes "i" and "ii" below:)*

☐ i. Counsel certifies that, upon information and belief, each item of information listed herein was either

☐ (a) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

☐ (b) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of this IDS.

☐ ii. Credit Card Payment Form, PTO-2038, is attached authorizing payment of the fee set forth in §1.17(p), presently believed to be \$180. If the enclosed payment is incorrect, please charge any additional fees or credit any overpayment to Deposit Account No. 02-4035.

☒ D. after (A), (B) and (C) above, but before payment of the issue fee: Applicant(s) petitions under 37 CFR §1.97(d) for consideration of this IDS. Credit Card Payment Form, PTO-2038, is attached authorizing payment of the fee set forth in §1.17(p), presently believed to be \$180 is enclosed.

If the enclosed payment is incorrect, please charge any additional fees or credit any overpayment to Deposit Account No. 02-4035. Counsel certifies that, upon information and belief, each item of information listed herein was either

*(Check one of the boxes "a" and "b" below)*

[X] (a) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

[ ] (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of this IDS.

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached.

[X] 3. Documents AE-AG are not in the English language. In accordance with §1.98(a)(3), Applicants state:

[X] An English translation of each document AE-AG (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed.

[X] A concise explanation of the relevance of documents AE-AG is found in the attached European search report (see reply to Comment 68 in the preamble to the final rules; 1135 OG 13 at 20).

[X] 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20). However, a concise explanation of relevance is being provided in the form of the attached European Search Report.

[ ] 5. Other information being provided for the examiner's consideration follows:

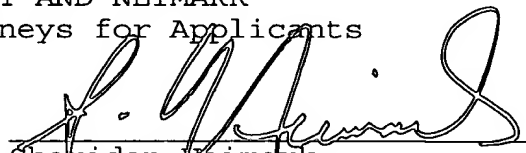
*(insert other information)*

6. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicants reserve the right to prove that the date of publication is in fact different.

Respectfully submitted,

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	09/988,396
Filing Date	November 19, 2001
First Named Inventor	Yuka YAMADA et al
Group Art Unit	2879
Examiner Name	J. Williams
Attorney Docket Number	YYAMADA=45

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AC	US-6,069,436 S	05-30-2000	Roger PRYOR	
		US-			
		US-			
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	AD	WO 96/35640 A1	11-14-1996	WAYNE STATE UNIVERSITY		
	AE	JP 11-130589 A	05-18-1999	NIPPON HOSO KYOKAI <NHK>		Abs
	AF	JP 11-135004 A	05-21-1999	NIPPON HOSO KYOKAI <NHK>		Abs
	AG	JP 2000-306498 A	11-02-2000	SONY CORP		Abs

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AH	FINK, R.L., et al "Optimization of Amorphous Diamond™ for Diode Field Emission Displays", CONFERENCE RECORD OF THE INTERNATIONAL DISPLAY RESEARCH CONFERENCE AND INTERNATIONAL WORKSHOPS ON ACTIVE-MATRIX LCDS AND DISPLAY MATERIAL, XX, 1994, Santa Ana, (XP008001630), pp. 173-175.	
	AI	Shin, I.H. and T.D. Lee, "A Study On Improved Electron Emission Characteristics Of Micro-Patterned DLC Films", VACUUM MICROELECTRONICS CONFERENCE, 1998, Eleventh International Asheville, NC, USA, 19-24 July 1998, New York, New York, (XP010311977), pp. 258-262.	

Examiner  
SignatureDate  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.